

HAIR ELEMENTS



PATIENT: Number 210
SEX: Male
AGE: 21
LOCATION: Onalaska WI - LaCrosse County

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	4.1	< 7.0		
Antimony	0.11	< 0.066		
Arsenic	0.079	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.030	< 2.0		
Cadmium	< 0.009	< 0.15		
Lead	0.12	< 2.0		
Mercury	0.49	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.065	< 0.060		
Nickel	0.11	< 0.40		
Silver	0.03	< 0.12		
Tin	0.10	< 0.30		
Titanium	0.29	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	486	200- 750					
Magnesium	47	25- 75					
Sodium	88	12- 90					
Potassium	47	9- 40					
Copper	13	10- 28					
Zinc	160	130- 200					
Manganese	0.10	0.15- 0.65					
Chromium	0.51	0.20- 0.40					
Vanadium	0.052	0.018- 0.065					
Molybdenum	0.021	0.025- 0.064					
Boron	1.7	0.40- 3.0					
Iodine	0.29	0.25- 1.3					
Lithium	0.004	0.007- 0.023					
Phosphorus	177	160- 250					
Selenium	1.2	0.95- 1.7					
Strontium	0.24	0.30- 3.5					
Sulfur	43000	44500- 52000					
Barium	0.35	0.16- 1.6					
Cobalt	0.004	0.013- 0.035					
Iron	9.6	5.4- 13					
Germanium	0.028	0.045- 0.065					
Rubidium	0.032	0.011- 0.12					
Zirconium	0.40	0.020- 0.44					

SPECIMEN DATA

COMMENTS:
 Date Collected: 8/17/2008 Sample Size: 0.202 g
 Date Received: 8/21/2008 Sample Type: Head
 Date Completed: 8/26/2008 Hair Color: Brown
 Treatment:
 Methodology: ICP-MS Shampoo:

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	10.3	4- 30
Ca/P	2.75	0.8- 8
Na/K	1.87	0.5- 10
Zn/Cu	12.3	4- 20
Zn/Cd	> 999	> 800

V06.99

Health history for hair test 210

Travis' symptoms have improved with diet and supplements.

1. Current Symptoms

Pain and tingling in hands and feet

Crying, Depression no longer very engaged in life.

Irritable Argumentative cannot take any kind of correction

Brain Fog

Fatigue/lack of energy

Head aches

Poor coordination - problems with dragging legs (sometimes both legs sometimes alternates)

Cyclic candida/Toe Fungus

Discharge from eyes in the AM

Diarrhea and vomiting

Snorting and difficulty breathing

Trouble sleeping

Trouble regulating body temp. Goose bumps - sweat

Mood swings

2. Still has wisdom teeth (Travis is 21 years old and Haas down syndrome - slow eruption of teeth)

No Root Canal

No braces

Had 1st filling around 1997

Has been a life long teeth grinder.

Lots of **intense** grinder in the last 3 years - in reaction to associated pain, has ground teeth done to the nubs.

Wears mouth guard 24 hours a day.

3. Remove of metal fillings completed in early June 2008. (rubber Dam)

IV cheleation after and before removal process.

4. Mother had metal fillings with no root canal@ the time of pregnancy and Nursing.

5/ Had all required vaccinations as well as 2 years of flu and pneomia vaccines.

6.

Kave Kave 70 mg 3x day

Zinc 50 mg 1x day

Standard Process (SP) multizyme 5700 1pill 3 x day

SP Spanish Black Radish 4 pills 3 x a day

SP congaplex 2 pills 3 times a day

Sp Wheat Germ Oil 1 Pill 3 x day

5 - HTP 50 mg 1 x day

Magnesium 250 mg 1 pill 3x day

EsterfisedVit C (buffered) 675 mg 1 pill 3 x day

Milk thistle 175 mg 1 x day

Vit D-3 1000iu 1 pill 3 x day

DHEA-5 w/ Broperine 1 x day

Gaba-plus Insitol and Nacianamide 1 pill a day

Coenzyme Q110 with Biopermine 100mg 1 x day

Ginko - 24 120 mg 1 x day

B-12/ B-6 + Folic (B6-2mg Folic Acid-400mg B12 1300mg) 1 x day

Selenium 100 mcg 1 pill 3 x day

Vitamin E 200 IU 1 pill 3 x day

NAC 600 mg 1 pill 3 x day

Curamin (Curamin, curaminoid, Bod

Egg yolk Lecithin 600 mg 1 x day

Artic Cod liver oil (Omega-3) 1000 mg 2 x day

a-lpoic acid 500 mg 2x day - recently stopped

Flosator 1 x day

L-Glutamine 500 mg 1 x day - recently stopped

SLUG

1 table spoon Bentinite clay

1 teaspoon Psyllium powder

2teaspoon Caproyl Oil
1 Bifo Viden ID
1 Lacto Viden ID

Ultra Inflamm 360 - 1 Scoop per day with a fruit shake

<http://www.naturalhealthyconcepts.com/ultra-inflamm-plus-360-p-metagenics.html>

7. Travis is 21 years old. He has Down Syndrome and is deaf. Communication is difficult. It is hard to know what supplements work and which ones don't work. We have to judge by behaviour - which is very up and down.

8. Onalaska WI - LaCrosse County.